

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Original): A precipitated silica having the following physico-chemical characteristics:

pH (5% in water) (ISO 787-9)		3 - 8
BET surface area (DIN 66131)	(m <sup>2</sup> /g)	400 - 600
DBP absorption value (DIN 53601, in relation to dried substance)	(g/100 g)	380 - 420
Tapped density (ISO 787-11)	(g/l)	100 - 200
ALPINE sieve residue > 63μ (ISO 8130-1)	(%)	0.1 - 40

Claim 2 (Original): The precipitated silica according to Claim 1, which has the following physico-chemical characteristics:

pH (5% in water) (ISO 787-9)		3 - 8
BET surface area (DIN 66131)	(m <sup>2</sup> /g)	400 - 600
DBP absorption value (DIN 53601, in relation to dried substance)	(g/100 g)	380 - 420
Tapped density (ISO 787-11)	(g/l)	140 - 200
ALPINE sieve residue > 63μ (ISO 8130-1)	(%)	10 - 40

Claim 3 (Original): The precipitated silica according to Claim 1, which has the following physico-chemical characteristics:

pH (5% in water) (ISO 787-9)		3 – 8
BET surface area (DIN 66131)	(m <sup>2</sup> /g)	400 – 600
DBP absorption value (DIN 53601, in relation to dried substance)	(g/100 g)	380 – 420
Tapped density (ISO 787-11)	(g/l)	140 – 180
ALPINE sieve residue > 63μ (ISO 8130-1)	(%)	1 - 10

Claim 4 (Original): The precipitated silica according to Claim 1, which has the following physico-chemical characteristics:

pH (5% in water) (ISO 787-9)		3 – 8
BET surface area (DIN 66131)	(m <sup>2</sup> /g)	400 – 600
DBP absorption value (DIN 53601, in relation to dried substance)	(g/100g)	380 – 420
Tapped density (ISO 787-11)	(g/l)	100 – 130
ALPINE sieve residue > 63μ (ISO 8130-1)	(%)	0.1 - 1

Claim 5 (Original): A process for manufacturing a precipitated silica according to Claim 1, which comprises:

while stirring water in a vessel with a force sufficient to subject the medium to shear containing water heated to 35°C to 45°C,

a) adding water and sulfuric acid together within at least 100 minutes, to the vessel and maintaining a pH of 6–7, wherein the addition of substances is interrupted for 60 to 120 minutes and when the addition of the substances to the vessel has been completed, a solids content of 36 to 42 g/l remains; and

b) filtering the solid matter, washing the filter cake and subjecting the solid material to a short retention drying process.

Claim 6 (Original): The process according to Claim 5, which further comprises conducting a short retention time drying process (c) by liquefying the filter cake to a solids content of less than 18% by weight and spray-drying the resulting suspension.

Claim 7 (Original): The process according to Claim 6, wherein the short retention time drying process in (c) is conducted by drying the filter cake with a spin flash dryer.

Claim 8 (Original): The process according to Claim 6, wherein the silica obtained after the short retention drying process is adjusted to pH 7 to 8 with ammonia gas.

Claim 9 (Original): The process according to Claim 6, wherein the filter cake is washed with diluted sulfuric acid.

Claim 10 (Currently Amended): A method of formulating an animal feed, comprising:

combining the nutritive feed components of the animal feed with the precipitated silica of Claim 1 as a carrier.

Claim 11 (Currently Amended): A method of formulating a vitamin formulation, comprising:

combining the vitamin components of the vitamin composition formulation with the precipitated silica of Claim 1 as a carrier.

Claim 12 (Currently Amended): A method of formulating a catalyst, comprising:  
combining ~~the~~ components of a the catalyst with the precipitated silica of Claim 1 as a carrier for ~~the~~ catalytically active components of the catalyst.

Claim 13 (Currently Amended): A method of formulating a free-flowing composition, comprising:  
formulating ~~the~~ ingredients of a the composition with the precipitated silica of Claim 1 which functions as a free-flow or anti-caking agent.

Claim 14 (Original): A method of converting a liquid into powder form, comprising:  
combining said liquid with the precipitated silica of Claim 1 as an auxiliary thereby converting the liquid into powder.

Claim 15 (Original): The powder prepared by the method of Claim 14.

Claim 16 (Original): An elastomer containing mixture prepared by combining an elastomer with the precipitated silica of Claim 1.

Claim 17 (Currently Amended): A method of manufacturing a catalyst carrier, comprising:  
combining ~~the~~ components of a the catalyst carrier with the precipitated silica according to Claim 1.

Application No. 09/991,640  
Reply to Office Action of October 15, 2003

Claim 18 (New): The precipitated silica according to Claim 1, wherein the DBP absorption value is greater than 380 g/100 g.

DISCUSSION OF THE AMENDMENT

The specification has been amended to correct a typographical error, and to clarify that the reference to Examples 1 and 5 in the paragraph bridging pages 1 and 2 is with regard to EP 0 078 909, which can be easily confirmed, since EP 0 078 909 is of record herein. A similar correction of a typographical error was made at page 6, last paragraph.

Claims 10-13 and 17 have been amended to provide antecedent basis where necessary. In addition, Claim 13 has been amended into a method claim.

New Claim 18 has been added, as supported in the specification at page 3, line 3.